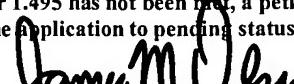


FORM PTO 1390 (REV 9-2001)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 3448*16
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (If known, see 37 CFR 1.55) 10/501561
INTERNATIONAL APPLICATION NO. PCT/US03/01272	INTERNATIONAL FILING DATES 15 January 2003	PRIORITY DATE CLAIMED 15 January 2002		
TITLE OF INVENTION COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR MEASURING AND IMPROVING MANUFACTURING PROCESSES AND MAXIMIZING PRODUCT RESEARCH AND DEVELOPMENT...				
APPLICANT(S) FOR DO/EO/US Suvajit DAS et al.				
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ul style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing 35 U.S.C. 371 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (PCT Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)). <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input type="checkbox"/> An unexecuted oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). <p>Items 11 to 20 below concern document(s) or information included:</p> <ul style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A FIRST preliminary amendment. 14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A change of power of attorney and/or address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: 				

U.S. APPLICATION NO. (if known, see 37 CFR 1.15)		INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER				
10/501561		PCT/US03/01272	3448*16				
<p>21. <input checked="" type="checkbox"/> The following fees are submitted:</p> <p>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) – (5)):</p> <p><input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1080.00</p> <p><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$920.00</p> <p><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$770.00</p> <p><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$730.00</p> <p><input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00</p>							
CALCULATIONS PTO USE ONLY							
ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 100.00							
<p>Surcharge of \$ _____ for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)). \$</p>							
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE				
Total claims	56	36	x 18.00 \$ 648.00				
Independent claims	16	13	x 86.00 \$ 1118.00				
MULTIPLE DEPENDENT CLAIM(s) (if applicable)		+ \$					
TOTAL OF ABOVE CALCULATIONS = \$							
<p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.</p>							
SUBTOTAL = \$ 1,866.00							
<p>Processing fee of \$ _____ for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)). + \$</p>							
TOTAL NATIONAL FEE = \$ 1,866.00							
<p>Fee for recording the enclosed assignment (37 CFR 1.21 (h)). Assignment must be accompanied by appropriate cover sheet (37 CFR 3.28, 3.31) + \$ (per property).</p>							
TOTAL FEES ENCLOSED = \$ 1,866.00							
<table border="1" style="width: 100%;"> <tr> <td style="width: 70%;"></td> <td style="width: 30%; text-align: center;">Amount to be Refunded: \$</td> </tr> <tr> <td></td> <td style="text-align: center;">Charged: \$</td> </tr> </table>					Amount to be Refunded: \$		Charged: \$
	Amount to be Refunded: \$						
	Charged: \$						
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 1,866.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to my Deposit Account No. 03-2775. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. Provide credit card information and authorization on PTO-2038.</p>							
<p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</p>							
<p>SEND ALL CORRESPONDENCE TO:</p> <p>James M. Olsen CONNOLLY BOVE LODGE & HUTZ LLP The Nemours Building 1007 North Orange Street P. O. Box 2207 Wilmington, Delaware 19899 (302) 658-9141 CUSTOMER NUMBER 23416</p>							
 James M. Olsen June 14, 2004 <p>SIGNATURE: James M. Olsen</p> <p>NAME _____</p> <p>40,408</p> <p>REGISTRATION NUMBER _____</p>							

10/501561
DT04 Rec'd PCT/PTO 14 JUL 2004

Application No. (if known):

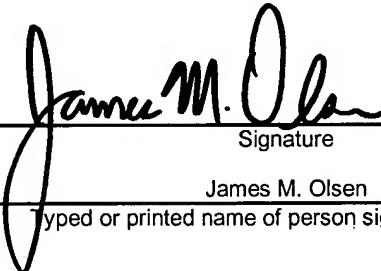
Attorney Docket No.: 3448*16

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EF 349973331 US in an envelope addressed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

on July 14, 2004
Date



Signature

James M. Olsen

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Return Postcard
Check for \$1,866.00
Transmittal Letter Concerning a Filing Under 35 U.S.C. § 371 (2 pages)
Specification (53 pages)
Drawings (4 sheets)
Combined Declaration and Power of Attorney (3 pages)
Information Disclosure Statement (2 pages)
Form 1449 (1 page)
Copies of references